

Title (en)
Device for applying a meniscal staple

Title (de)
Vorrichtung zum Anbringen von Meniskusklammern

Title (fr)
Dispositif pour appliquer des agrafes méniscales

Publication
EP 0589306 B1 19990804 (EN)

Application
EP 93114580 A 19930910

Priority
US 94775392 A 19920921

Abstract (en)

[origin: EP0589306A2] An apparatus for inserting a staple into torn tissue such as the meniscus of the knee. The apparatus includes a pair of shafts 26, 28 individually movable in a longitudinal direction which are actuatable from a handle mechanism 32, 24. The shafts are movable sequentially so that the shafts disjunctively advance the prongs of the staple which is releasably held adjacent distal end portions of the shafts. A further embodiment of the device consists of a pair of needles 302 detachably secured to a pair of anchoring member 304 having a plurality of barb-like projections 308 extending outwardly therefrom. The anchoring members are joined by a suture 306 which connects adjacent the trailing ends of the anchoring members opposite the penetration end of the needles. The needles are engaged with the anchoring members to transmit a first pushing force applied to the needles to advance the anchoring members into the tissue, and are releasable from their engagement with the anchoring members responsive to a second pulling force applied to the needles in a direction opposite the pushing direction. <IMAGE>

IPC 1-7
A61B 17/10; **A61B 17/068**

IPC 8 full level
A61B 17/03 (2006.01); **A61B 17/04** (2006.01); **A61B 17/06** (2006.01); **A61B 17/064** (2006.01); **A61B 17/068** (2006.01); **A61B 17/00** (2006.01)

CPC (source: EP US)
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Citation (examination)

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EP 93114580 A 19930910; CA 2100532 A 19930714; CA 2437773 A 19930714; CA 2437777 A 19930714; DE 69325866 T 19930910; US 34553994 A 19941128; US 99981297 A 19970702